

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A pump driving method comprising:
driving drives a motor (3) based upon a command value using a discharge pressure - discharge flow characteristic, and
carrying carries out feedback control of a the discharge pressure, and
driving drives a pump (4) using the motor (3), the method is characterized in that the method changes to change the discharge pressure – discharge flow characteristic in correspondence with a power voltage.
2. (Currently Amended) The A pump driving method as set forth in claim 1, wherein further comprising
the method holds holding the discharge pressure - discharge flow characteristics corresponding to a plurality of power voltage, respectively, and
selecting selects a corresponding one of the discharge pressure - discharge flow characteristics in correspondence with a detection value of the in power voltage.
3. (Currently Amended) The A pump driving method as set forth in claim 1, wherein further comprising
defining the method defines a predetermined pressure, flowing amount, and horse power as characteristic values for a predetermined power voltage, and
changing the changes a discharge pressure - discharge flow characteristic in correspondence with a detection value of the in power voltage.
4. (Currently Amended) A pump driving method comprising:
driving drives a motor (3) based upon a command value using discharge pressure - discharge flow characteristic, and
carrying carries out feedback control of a the discharge pressure, and

~~driving drives a pump (4) using the motor (3), the method is characterized in that the method judges based on whether or not a DC voltage of an inverter (2) for supplying a driving voltage to the a motor (3) is an ideal DC voltage value of an alternate current power voltage,~~

~~changing the changes a discharge pressure - discharge flow characteristic for the DC voltage upon judging when it is judged that the DC voltage is the ideal DC voltage value of the alternate current power voltage, and~~

~~maintaining a maintains the changed discharge pressure - discharge flow characteristic upon judging when it is judged that the DC voltage is not the ideal DC voltage value of the alternate current power voltage and when the just previously judged the prior DC voltage was is the ideal DC voltage value of the alternate current power voltage.~~

5. (Currently Amended) The A pump driving method as set forth in claim 4, wherein

~~the maintaining of the changed discharge pressure – discharge flow characteristic is accomplished by maintaining method maintains a power voltage value instead the maintaining of the discharge pressure – discharge flow characteristic.~~

6. (Currently Amended) A pump driving apparatus comprising:
~~drives a motor (3) configured to be driven based upon a command value using a discharge pressure - discharge flow characteristic and carries out to feedback control a of the discharge pressure, and drives~~

~~a pump (4) using operatively coupled to the motor (3), and
the apparatus comprises a characteristic changing section configured to change the means for changing discharge pressure - discharge flow characteristic in correspondence with a power voltage.~~

7. (Currently Amended) The A pump driving apparatus as set forth in claim 6 5, wherein

~~the characteristic changing section is configured to hold the means holds discharge pressure - discharge flow characteristics corresponding to a plurality of power voltage,~~

respectively, and to select selects a corresponding one of the discharge pressure - discharge flow characteristics in correspondence with a detection value of the in power voltage.

8. (Currently Amended) The A pump driving apparatus as set forth in claim 6 5, wherein

the characteristic changing section is configured to define means defines a predetermined pressure, flowing amount, and horse power as characteristic values for a predetermined power voltage, and to change the changes a discharge pressure - discharge flow characteristic in correspondence with a detection value of the in power voltage.

9. (Currently Amended) A pump driving apparatus comprising:

drives a motor (3) configured to be driven based upon a command value using a discharge pressure - discharge flow characteristic ~~and carries out to~~ feedback control a of the discharge pressure, ~~and drives~~

a pump (4) using operatively coupled to the motor (3), and

~~the apparatus comprises~~ judgment means for judging whether or not a DC voltage of an inverter (2) for supplying a driving voltage to a motor (3) is an ideal DC voltage value of an alternate current power voltage, for changing a discharge pressure - discharge flow characteristic for the DC voltage when it is judged that the DC voltage is the ideal DC voltage value of the alternate current power voltage, and for maintaining the changed discharge pressure - discharge flow characteristic upon judging when it is judged that the DC voltage is not the ideal DC voltage value of the alternate current power voltage and when the just previously judged the prior DC voltage was is the ideal DC voltage value of the alternate current power voltage.

10. (Currently Amended) The A pump driving apparatus as set forth in claim 9, wherein

the judgment means maintains a power voltage value instead the maintaining of the discharge pressure - discharge flow characteristic.